

Date: Mon, 2 May 94 04:30:21 PDT  
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>  
Errors-To: Ham-Homebrew-Errors@UCSD.Edu  
Reply-To: Ham-Homebrew@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Homebrew Digest V94 #116  
To: Ham-Homebrew

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Today's Topics:

Vertical yagi mounting

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>  
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sun, 1 May 1994 18:40:33 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!utnut!torn!uunet.ca!uunet.ca!iceonline!  
icebox!janc@network.ucsd.edu  
Subject: Vertical yagi mounting  
To: ham-homebrew@ucsd.edu

>  
>1) I assumed that a metal mast, being in effect a non-resonant  
>"extra" element suddenly stuck in the middle of a parasitic  
>array, would detune the antenna and probably throw the radiation  
>pattern off by creating either more than one lobe or skewing  
>the main lobe above or below the plane of the array by some  
>noticeable amount. Is this assumption anywhere close to correct?  
>

I've installed a Yagi vertically mounted on a metal mast and I experienced  
detuning. I couldn't tell you how the radiation pattern was affected since at  
the time I had no way of determining that - but since I was operating on 2m, I  
installed a horizontal counterbalanced boom and remounted the antenna a few  
feet away from the mast. That seemed to help a good deal, although there was  
still a little bit of detuning remaining.



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End of Ham-Homebrew Digest V94 #116

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